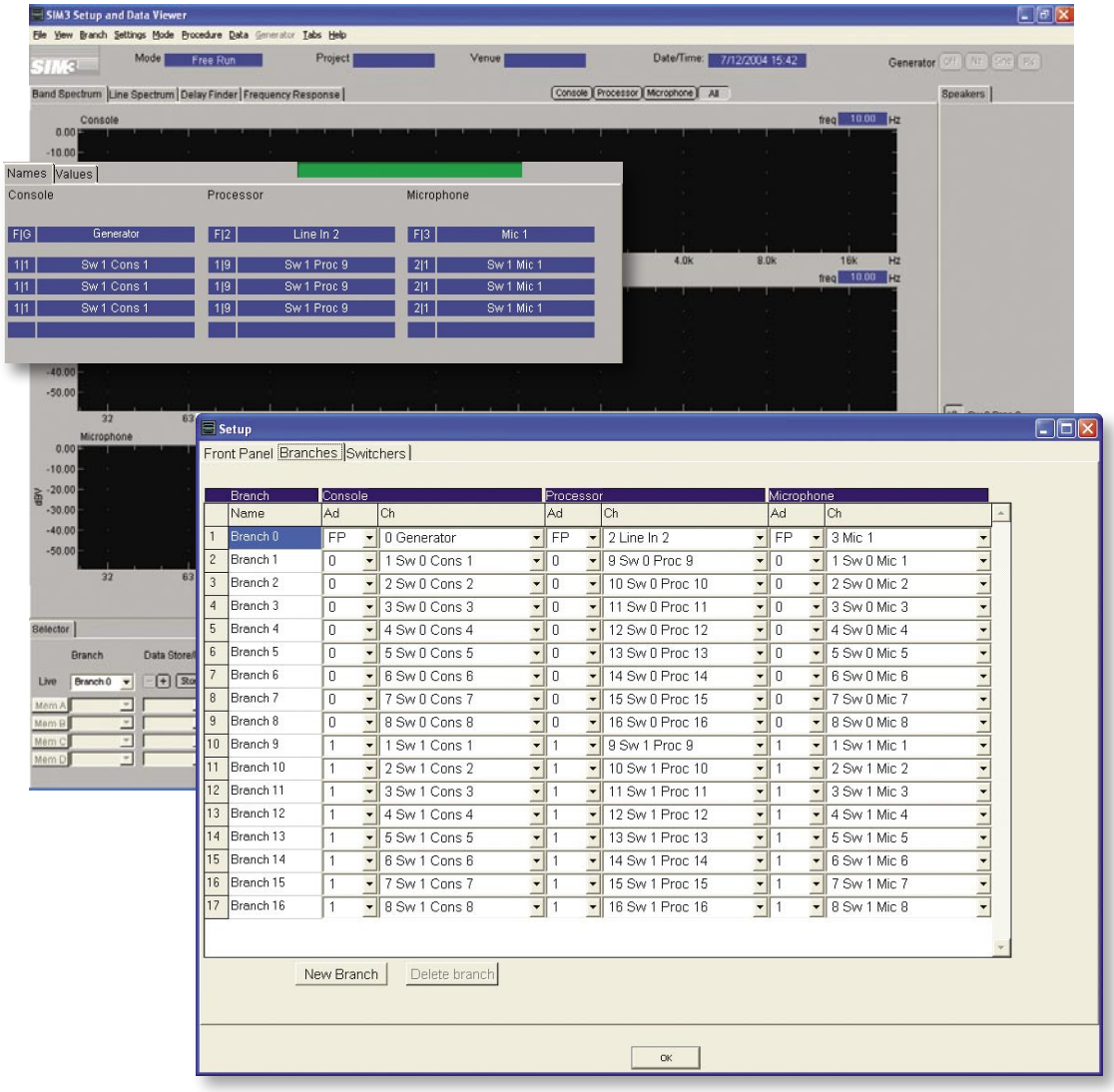
SIM® 3 Setup and Data Viewer


SIM3 Setup and Data Viewer
File View Branch Settings Mode Procedure Data Generator Tabs Help
Mode Free Run
Project
Venue
Date/Time 7/12/2004 15:42
Generator
Band Spectrum Line Spectrum Delay Finder Frequency Response
Console Processor Microphone All
Speakers
Console
Names Values
Console Processor Microphone
F|G Generator F|2 Line In 2 F|3 Mic 1
1|1 Sw 1 Cons 1 1|9 Sw 1 Proc 9 2|1 Sw 1 Mic 1
Microphone
Selector
Branch
Data Store
Live Branch 0
Setup
Front Panel Branches Switchers
Branch Console Processor Microphone
Name Ad Ch Ad Ch Ad Ch
1 Branch 0 FP 0 Generator FP 2 Line In 2 FP 3 Mic 1
2 Branch 1 0 1 Sw 0 Cons 1 0 9 Sw 0 Proc 9 0 1 Sw 0 Mic 1
3 Branch 2 0 2 Sw 0 Cons 2 0 10 Sw 0 Proc 10 0 2 Sw 0 Mic 2
4 Branch 3 0 3 Sw 0 Cons 3 0 11 Sw 0 Proc 11 0 3 Sw 0 Mic 3
5 Branch 4 0 4 Sw 0 Cons 4 0 12 Sw 0 Proc 12 0 4 Sw 0 Mic 4
6 Branch 5 0 5 Sw 0 Cons 5 0 13 Sw 0 Proc 13 0 5 Sw 0 Mic 5
7 Branch 6 0 6 Sw 0 Cons 6 0 14 Sw 0 Proc 14 0 6 Sw 0 Mic 6
8 Branch 7 0 7 Sw 0 Cons 7 0 15 Sw 0 Proc 15 0 7 Sw 0 Mic 7
9 Branch 8 0 8 Sw 0 Cons 8 0 16 Sw 0 Proc 16 0 8 Sw 0 Mic 8
10 Branch 9 1 1 Sw 1 Cons 1 1 9 Sw 1 Proc 9 1 1 Sw 1 Mic 1
11 Branch 10 1 2 Sw 1 Cons 2 1 10 Sw 1 Proc 10 1 2 Sw 1 Mic 2
12 Branch 11 1 3 Sw 1 Cons 3 1 11 Sw 1 Proc 11 1 3 Sw 1 Mic 3
13 Branch 12 1 4 Sw 1 Cons 4 1 12 Sw 1 Proc 12 1 4 Sw 1 Mic 4
14 Branch 13 1 5 Sw 1 Cons 5 1 13 Sw 1 Proc 13 1 5 Sw 1 Mic 5
15 Branch 14 1 6 Sw 1 Cons 6 1 14 Sw 1 Proc 14 1 6 Sw 1 Mic 6
16 Branch 15 1 7 Sw 1 Cons 7 1 15 Sw 1 Proc 15 1 7 Sw 1 Mic 7
17 Branch 16 1 8 Sw 1 Cons 8 1 16 Sw 1 Proc 16 1 8 Sw 1 Mic 8
New Branch
Delete branch
OK

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SIM® 3 Setup and Data Viewer User Guide

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SIM 3 SETUP AND DATA VIEWER

In addition to SIM 3's own dedicated software application, the SIM 3 Setup and Data Viewer allows you to set up SIM 3 project files as well as view previously stored SIM 3 data using your Windows® PC or notebook computer. The SIM 3 Setup and Data Viewer allows you to work from home or anywhere for instant access to SIM 3 project data.

In this guide, you'll learn how to:

- Install the SIM 3 Setup and Data Viewer
- Set up new projects, open existing projects and record them to CD-ROM
- View stored SIM 3 data traces from exported SIM 3 projects

INSTALLATION

The SIM 3 operating system and native software application are pre-loaded on the SIM 3 audio analyzer's dedicated solid-sate, non-volatile Fast Flash Disk. The SIM 3 Setup and Data Viewer is supplied on CD-ROM for installation on your Windows® PC.

CAUTION: The SIM 3 audio analyzer ships with a CD-ROM to use for restoring SIM 3 software in case of a booting problem. Do not attempt to copy or install any of the files on this CD-ROM to your Windows PC. In addition, under no circumstances should this CD-ROM be used to boot your Windows PC, as this may compromise both the PC's operating system and data files.

Future updates or program enhancements to the SIM 3 Setup and Data Viewer will be available on CD-ROM, and on Meyer Sound's Web site (www.meyersound.com).

System Requirements

The following are the minimum system requirements necessary to run the SIM 3 Setup and Data Viewer:

- Windows 98/NT 4.0/2000/XP™
- Pentium® III processor
- 64 MB RAM
- 8 MB video card
- At least 40 MB free hard drive space

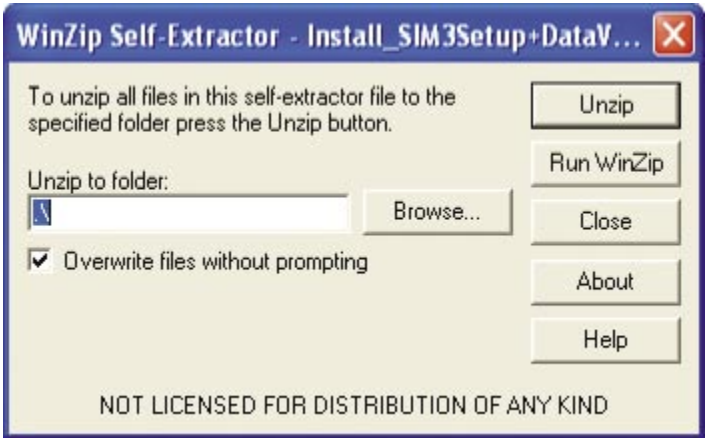
For optimal performance and ease of use, Meyer Sound recommends the following additional system specifications:

- Pentium IV processor or higher
- 256 MB RAM
- 16 MB video card or higher
- CD-R or CD-RW drive for recording files to CD

Installing the Software

To install the SIM 3 Setup and Data Viewer to your PC, perform the following steps:

1. Insert the SIM 3 Setup and Data Viewer CD-ROM into an available CD drive attached to your PC.
2. Launch Windows Explorer by selecting **Programs** > **Accessories** from the Start menu.
3. Select the **SIM 3 Setup and Data Viewer** CD-ROM in Windows Explorer.
4. Launch the **SIM3SetupandDataViewer.exe** file from the SIM 3 Setup and Data Viewer CD-ROM. The SIM 3 Setup and Data Viewer setup windows appears.



5. Select an installation destination by clicking the **Browse** button on the right side of the dialog, then click **Unzip** to copy the files to their destination. A confirmation dialog appears when copying is complete.

SETTING UP PROJECT FILES

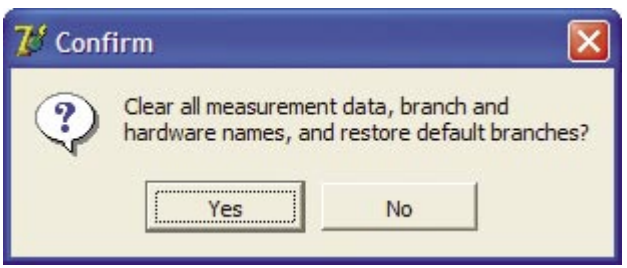
Just like the SIM 3 audio analyzer software application, the SIM 3 Setup and Data Viewer application works with project files to keep individual projects separated and organized. The SIM 3 Setup and Data Viewer is perfect for setting up and naming project files and branches for later use with the SIM 3 audio analyzer.

NOTE: For detailed information about working with branches, refer to Chapter 4: SIM 3 Software.

Starting a New Project

To begin a new project, perform the following steps:

1. Choose **File** > **New**. A dialog appears asking you if you want to clear all data, branch and hardware names, and restore default branches. Click **YES**.



2. Choose **File** > **Properties** to bring up the Project Properties dialog.

3. Fill in the following fields in the Project Properties dialog:

- Project – The title of the project
- Engineer – The name of the SIM 3 engineer
- Artist – The name of the artist
- Venue – The name of the venue
- Switchers — The number of switchers you plan to use for this project.

NOTE: The switcher field is for your infomation only. It is not used to specify the actual number of switchers in the project.

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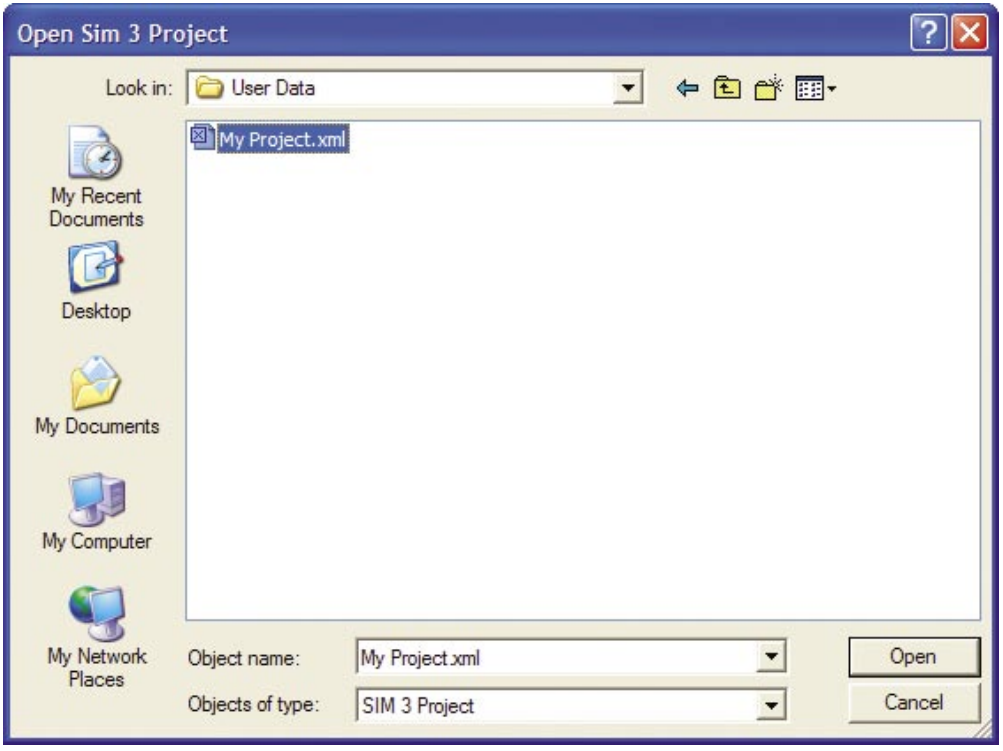
4. Click **OK** to exit the Project Properties dialog.

TIP: It's a good idea to save your new project immediately after creation. To do so, follow the steps in the "Saving a Project" section later in this chapter.

Opening a Project

To open a new project, perform the following steps:

1. Choose **File** > **Open**. The Open SIM 3 Project dialog appears.

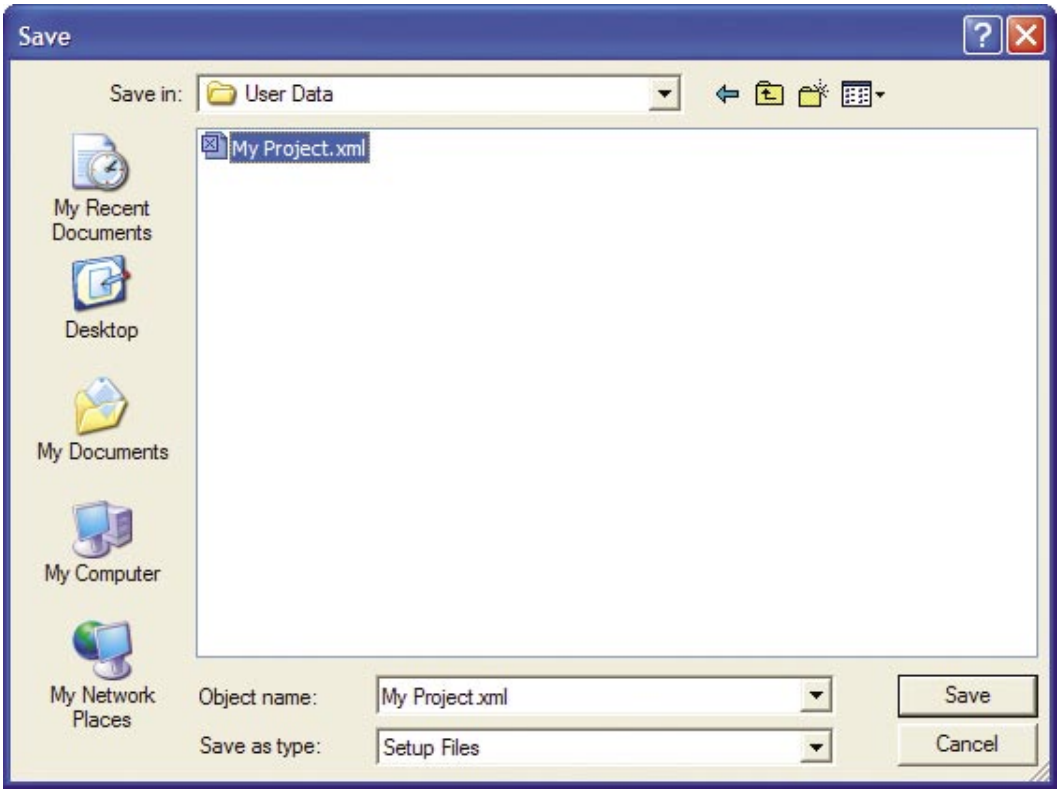


2. Select a file to open from the list of available files, then click the **Open** button to load the project.

Saving a Project

To save a project, perform the following steps:

1. Choose **File** > **Save** to bring up the Save dialog.



2. In the Save dialog, select a name for the project and then click the **Save** button.

NOTE: You can also save a project with a different filename by choosing **Save As...** from the File menu; follow the same steps as above to save the project to a new or different file.

Recording Project Files to a CD

To use project files that you've set up in the SIM 3 Setup and Data Viewer on the SIM 3 audio analyzer, you will first need to "burn" the files to CD-R or CD-RW media.

NOTE: For more information on the SIM 3 analyzer's CD-RW drive – including how to burn CDs, refer to Chapter 4: SIM 3 Software.

Although most CD-RW drives sold today are bundled with CD recording software, Windows XP and higher have the capability to burn a data CD. If you are not using Windows XP, Roxio's Easy Media Creator is a CD burning application with a solid history of reliability and a user-friendly interface. Consult www.roxio.com for more details.

Presuming you have a CD-R or CD-RW drive, perform the following steps:

1. Insert a blank CD into your CD-R /CD-RW drive. The CD Drive dialog appears (Figure 1).

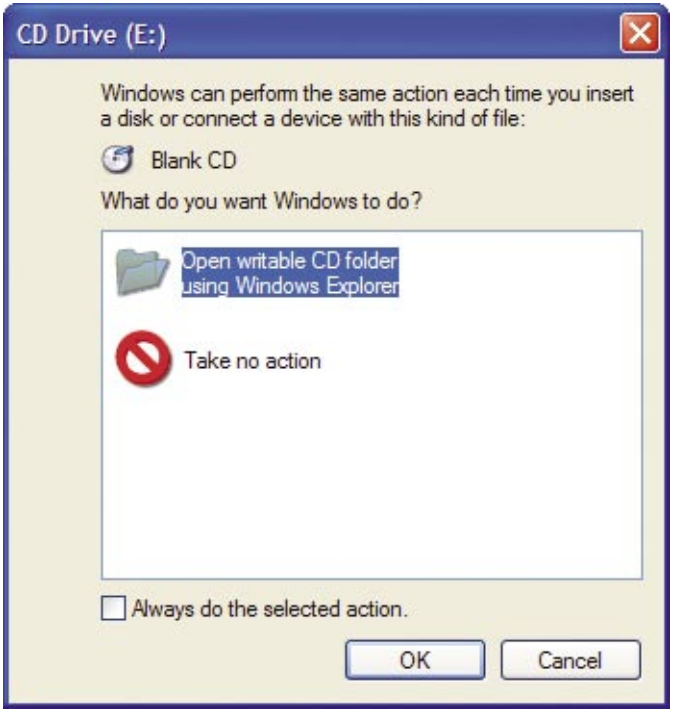

CD Drive (E:)
Windows can perform the same action each time you insert a disk or connect a device with this kind of file:
Blank CD
What do you want Windows to do?
Open writable CD folder using Windows Explorer
Take no action
Always do the selected action.
OK
Cancel

Figure 1. Windows XP automatically detects when a blank CD has been inserted.

2. Make sure that Open Writable CD Folder Using Windows Explorer is highlighted (it should be by default) and click **OK**. A blank folder will appear (Figure 2). Minimize the folder.

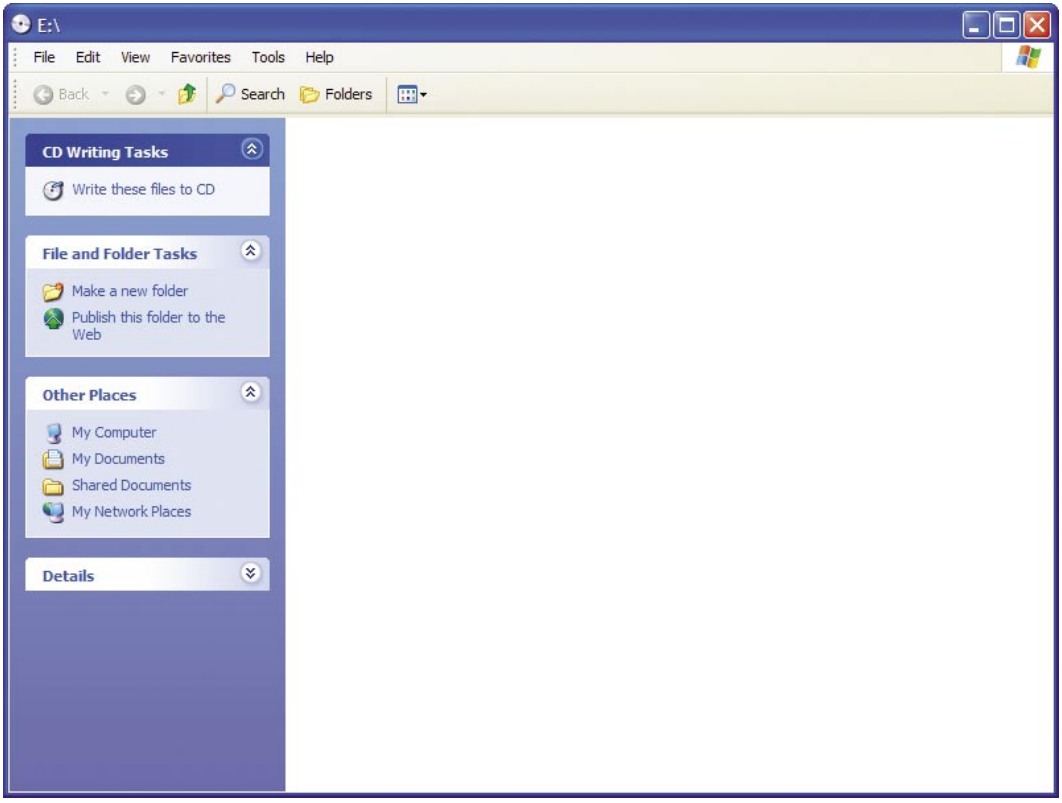


Figure 2. Windows Explorer will start you out with a clean slate.

3. Open another Windows Explorer window by selecting **Programs** > **Accessories** from the Start menu. Locate and select the project files you wish to copy, then right-click and select **Copy** from the resulting pop-up menu. (Figure 3).

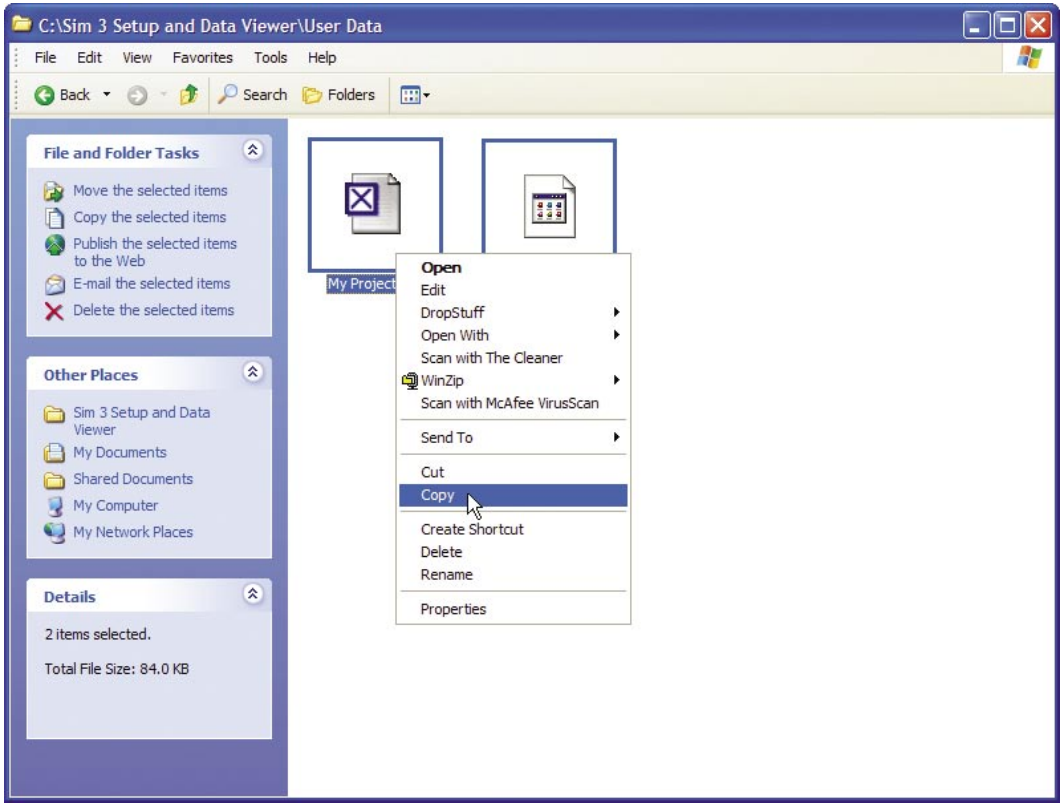


Figure 3. Copy the files in normal Windows fashion.

CAUTION: There are two files for any project – each with the same name but with different file extensions: .BIN and .XML. Make sure you select and copy both files.

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4. Open the **Writable CD** folder from the Windows XP task bar, right-click and select **Paste** from the resulting pop-up menu. Depending on how many files you have, Windows will begin copying the files to a temporary spot somewhere on your hard drive, and then present you with shortcut icons when finished (Figure 4).

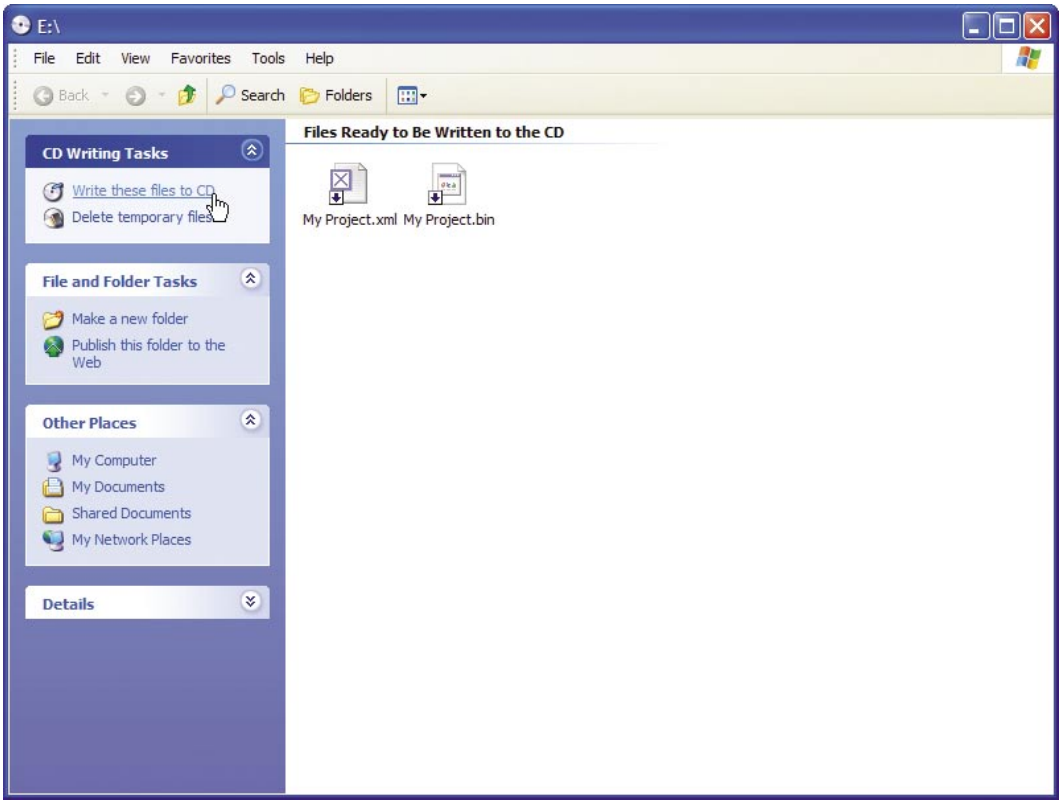


Figure 4. Project files are ready to be burned.

5. On the top-left side of the Writable CD folder, click **Write these files to CD**. The CD Writing Wizard will launch.

6. Type in a descriptive name in the CD Name text box if desired, then click **Next**. Windows XP will begin burning the files to your CD-R or CD-RW media.

TIP: Once the files have been burned to CD, you can click on the drive letter associated with your CD-R/CD-RW drive to display its content and verify that the recording was successful.

VIEWING DATA

The Data menu allows you to save and recall a complete set of data — called a data group — individually by measurement. This means that you can store and recall data specifically for a Band Spectrum, Line Spectrum, Delay Finder and Frequency Response measurement. Data remains in memory as long as the SIM 3 Setup and Data Viewer is running.

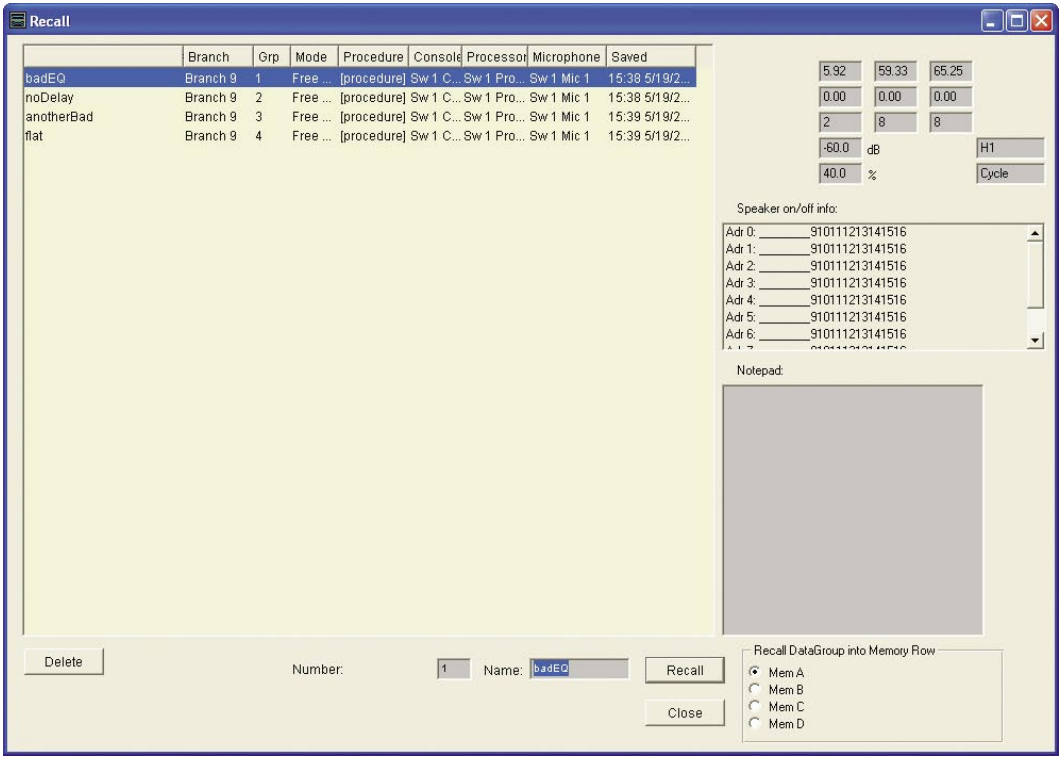
From the Data menu, the primary data functions are:

- Restart Measurement — Restarts the current measurement.
- Store Measurement — Stores live data in memory.
- Recall Measurement — Recalls data from memory to the screen.

NOTE: The SIM 3 Setup and Data Viewer is designed to view previously-stored data; it cannot store any useful data itself since it is not a part of the SIM 3 hardware system and hence does not have access to source signals.

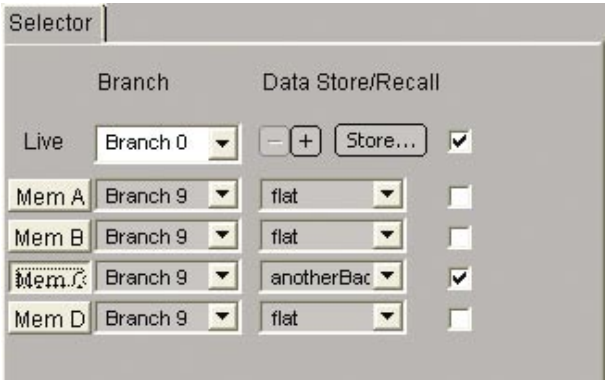
Recalling a Data Group

To recall any data group, choose **Data** > **Recall Measurement**. The Recall Measurement dialog appears.



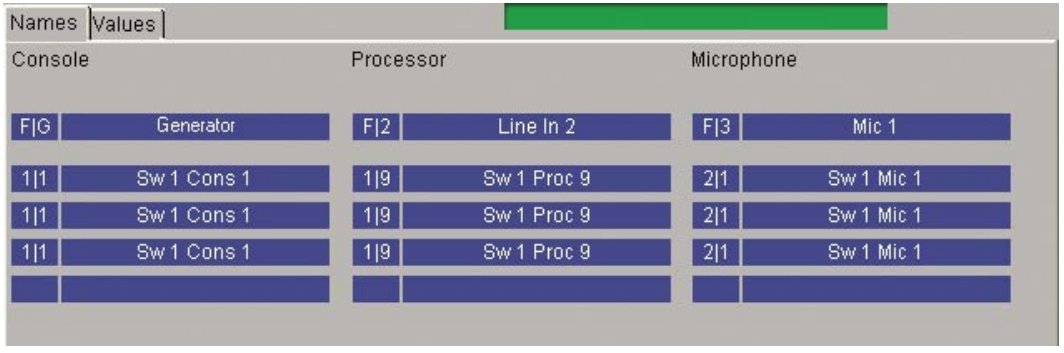
To recall a measurement, simply click the **Recall** button.

NOTE: You can also use the tabbed Selector window (located at the lower left side of the SIM 3 interface) to launch the Store Measurement or Recall Measurement dialogs.



NOTE: To store a data group, simply click the **Store...** button — the Store Measurement dialog will appear. To recall a measurement, click one of the four **Mem** buttons (A, B, C or D).

Once you have recalled a data group, the data is displayed on the Names tab, located just to the right of the Selector tab.



The rows on these tabs give you a quick glimpse of some of the most important information available to you through the Recall Measurement dialog.

Deleting a Data Group

To delete any data group, click Recall Measurement from the Data menu. The Recall Measurement dialog appears. Select the data group you wish to delete and click the **Delete** button. A dialog will appear asking you to confirm the deletion. Click **OK** to delete the data group from memory.

CAUTION: Deleting a data group only deletes it from memory; in order to delete the data group from the current project, you will need to re-save the project.

Exporting the Current Screen

To export any SIM 3 screen you're currently viewing to a 3rd-party application (Microsoft Word or PowerPoint, for example), use the Print Screen key or press CTRL-C on your computer's keyboard to copy the screen contents to the Windows clipboard. When you open the desired application, you can paste the image directly from the clipboard, typically using a Copy command or CTRL-V on the keyboard.

Meyer Sound Laboratories Inc.
2832 San Pablo Avenue
Berkeley, CA 94702

www.meyersound.com
T: +1 510 486.1166
F: +1 510 486.8356

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